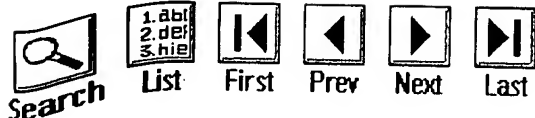


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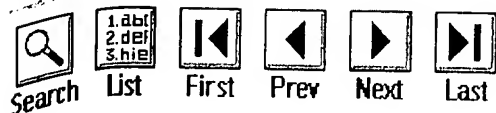
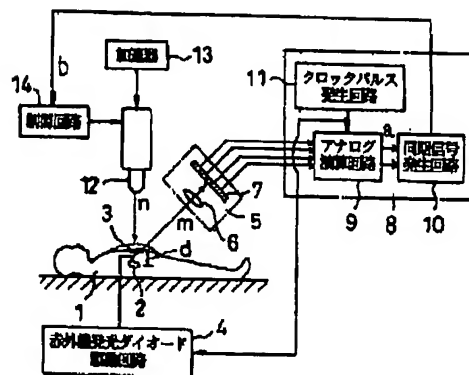
[Order This Patent](#)[Family Member\(s\)](#)JP2000201922A ☒ 20000725 [FullText](#)**Title:** (ENG) RESPIRATION SYNCHRONIZING CONTROL DEVICE AND RESPIRATION SYNCHRONIZING CONTROL MEDICAL EQUIPMENT**Abstract:** (ENG)

PROBLEM TO BE SOLVED: To provide a respiration synchronizing control device for detecting the respiration phase of an organism easily and rapidly with accuracy and converting a detection signal into an equipment control signal to send it out.

SOLUTION: This control device is characterized by the use of function of a semiconductor position detecting element (PSD) and composed of a light source part 3 with a light source position or a light direction fluctuating in correspondence with the fluctuation of the outer skin of an organism 1 interlocked with respiration, the PSD 7 receiving light from the light source part 3, as a fluctuation signal of the outer skin of the organism 1 and converting it into an electric signal corresponding to the cycle phase of respiration, and a control circuit 8 sending an actuation control signal of other controlled equipment on the basis of this electric signal.

Application Number: JP 4529599 A**Application (Filing) Date:** 19990114**Priority Data:** JP 4529599 19990114 A X;**Inventor(s):** MINOHARA SHINICHI ; KUWATA AKIRA**Assignee/Applicant/Grantee:** NATL INST OF RADIOLOGICAL SCIE ; TOYONAKA KENKYUSHO KK**Original IPC (1-7):** A61B00603; A61B005055; A61B00800; A61N00510**Other Abstracts for Family Members:** DERABS G2000-528708**Other Abstracts for This Document:** DERABS G2000-528708**Patents Citing This One (1):**

→ WO2004066211A1 20040805 JAFFRAY DAVID CA;
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IMAGING INTERNAL STRUCTURES

Legal Status: There is no Legal Status information available for this patent

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